

Answers – Basic arithmetic and the calculator

PAGE 1 1 a 83 b 137 c 178 d 217 e 227 f 645 g 117.372 h 159.25 i 161.535 j 45.95 k 152.95 l 192.26
2 a 175.95 b 132.8 c 285.32 d 54.11 e 426.4 f 215 g 255.4 h 111.3 i 118.2 j 554.2 k 123.4 l 125.4

3 a $\frac{7}{12}$ b $1\frac{1}{14}$ c $1\frac{19}{24}$ d $4\frac{23}{36}$ e $7\frac{5}{6}$ f 13 4 a 35 b 19 c 51 d 344 e 2977 f 425 g 27.553 h 49.78
i 58.95 j 17.8 k 493.3 l 884.8 5 a 20.46 b 5.911 c 25.085 d 97.48 e 13.73 f 7.9 g 44.63 h 14.59 i 10.8
j 40.7 k 601.8 l 43.8 6 a $\frac{5}{9}$ b $\frac{4}{17}$ c $\frac{4}{13}$ d $\frac{1}{10}$ e $-\frac{5}{21}$ f $\frac{2}{9}$ g $2\frac{1}{36}$ h $15\frac{9}{40}$ i $1\frac{16}{21}$

PAGE 2 1 a 315 b 608 c 1029 d 1632 e 2336 f 2494 g 74.43 h 126.5 i 117.04 j 120.51 k 209 l 109.8

2 a 5.4 b 23.14 c 52.08 d 4.76 e 21.84 f 24.48 g $17\frac{1}{2}$ h $14\frac{7}{16}$ i $18\frac{19}{35}$ j $46\frac{7}{8}$ k 27 l $176\frac{2}{5}$ 3 a 988
b 936 c 1218 d 1512 e 1245 f 2116 g 46.25 h 17.115 i 82.94 4 a 20 b 12 c 109 d 107 e 511 f 48

g 17.6 h 32.3 i 4.1 5 a 42.1 b 12.1 c 18.2 d 25.6 e 5674 f 2252 g $37\frac{1}{2}$ h 30 i $1\frac{13}{25}$ j $\frac{17}{19}$ k $2\frac{90}{91}$ l $2\frac{21}{23}$
6 a 43 b 89 c 729 d 12.7 e 2.5 f 0.42 g 294 h 216 i 1.7

PAGE 3 1 a 100 b 8300 c 1000 d 600 e 100 f 100 g 900 h 300 i 800 j 6400 k 6100 l 8500 2 a 9000
b 1000 c 2000 d 5000 e 8000 f 10 000 g 10 000 h 1000 i 6000 j 6000 k 1000 l 8000 3 a 8.32 b 0.93
c 72.36 d 92.61 e 0.22 f 65.12 g 53.81 h 36.21 i 92.99 j 98.31 k 48.12 l 63.13 4 a 1.8 b 9.4 c 15.1
d 39.2 e 63.1 f 83.3 g 93.9 h 58.2 i 96.2 j 51.4 k 68.9 l 53.0 5 a 92 b 370 c 5800 d 6600 e 9400
f 57 g 910 h 510 i 920 j 1900 k 830 l 910 6 a 9360 b 5690 c 81 300 d 56.1 e 83.8 f 98.7 g 67.8
h 916 i 86.3 j 110 k 72.6 l 982

PAGE 4 1 a 19 b 32 c 58 d 60 e 82 f 180 g 60 h 496 i 60 j 15 k 478 l 60 2 a 453.1 b 49.2 c 64
d 35 e 64.512 f 118.4 g 20.32 h 27.65 3 a 19.522 b 16 c 5.2 d 14.06 e 9.402 f 16.9 g 1612.85 h 9.546

i -5.2 j 268.3 k 261.744 l 230 4 a $4\frac{2}{3}$ b 10 c $8\frac{2}{3}$ d $\frac{1}{34}$ e $48\frac{3}{8}$ f $6\frac{1}{3}$ g $26\frac{9}{16}$ h $2\frac{2}{5}$ i 13 j $3\frac{1}{8}$

k $8\frac{8}{9}$ l $4\frac{4}{45}$ 5 a 34.69 b 14.58 c 16 d 114.6 e 120 f 33 g 7.5 h 50 i 47.66 6 a 23.205 b 277.98 c 9.3
d 37.6 e 19.008 f 6.24 g 0.17578125 h 27.62 i 885.5

PAGE 5 1 a 9 b 49 c 81 d 25 e 121 f 169 g 1681 h 2304 i 3969 j 3364 k 2.89 l 8335.69 2 a 8 b 125
c 512 d 9261 e 314 432 f 373 248 g 1024 h 1296 i 324 j 256 k 729 l 39.0625 3 a 9.261 b 75.69 c 857.375
d 11 698.5856 e 328.509 f 112 151.3121 g 50 625 h 4032.25 i 85.766 121 j 5112.25 k 6331.625 l 3769.96 4 a 6.3

b 2.1 c 4521.2 d 74.6 e 65.6 f 4173.3 g 753.6 h 380.3 i 731.2 j 46.7 k 3336.2 l 64.4 5 a $6\frac{1}{4}$ b $\frac{1}{27}$

c $3\frac{1}{16}$ d $18\frac{7}{9}$ e $190\frac{7}{64}$ f $3164\frac{1}{16}$ g $12\frac{19}{27}$ h $12\frac{24}{25}$ i $34\frac{1}{36}$ j $11\frac{25}{64}$ k $52\frac{47}{64}$ l $18\frac{1}{16}$

PAGE 6 1 a 2 b 7 c 9 d 4 e 10 f 15 g 11 h 30 i 12 j 13 k 5 l 1 2 a 3 b 14 c 5 d 2 e 27
f 44 g 4 h 18 i 2.222 (3 d.p.) j 5 k 20 l 3.865 (3 d.p.) 3 a 71.31 b 8.86 c 2.08 d 10.82 e 4.52 f 4.53
g 9.31 h 4.92 i 4.94 j 13.47 k 2.28 l 13.12 4 a 4.2 b 5.0 c 4.6 d -0.4 e 5.2 f 31.3 g 14.4 h 27.6
i 13.0 j 1.9 k 38.1 l 19.3 5 a 3.623 b 2.050 c 3.640 d 3.252 e 2.566 f 5.439 g 3.081 h 2.776 i -0.013
j 0.237 k 2.136 l 1.504 m 1.950 n 2.743 o 2.561

PAGE 7 1 \$47.25 2 3.51 m 3 68.0625 m² 4 42.875 cm³ 5 \$405.60 6 \$1223.75 7 \$36.40 8 9.21 9 2653.56 cm³

10 29 cm 11 70.98 12 $3\frac{1}{2}$ 13 3.03 14 \$61.80 15 21

PAGES 8 & 9 1 C 2 C 3 A 4 C 5 B 6 A 7 A 8 D 9 B 10 D 11 A 12 D 13 C 14 C 15 C

PAGE 10 1 -40 2 \$34.75 3 42.20 4 51 5 0.18 6 $10\frac{3}{8}$ 7 82.15 8 -130.7 9 2004 10 1908.77 11 0.06
12 643 13 103.86 14 1383.79 15 88.31

PAGE 11 1 a 285.765 b 286 c 285.77 d 290 e 285.8 2 a 746.35 b 7.57 c 7.15 d 517.25 e 22.44 3 a 9.930
b 154.300 c 174.212 d 24.658 e 8.236 4 a 75.3 b -4.05 c 1.68 d 2.07 e 15.8